Ph.D (Engineering)

Ph.D (Engineering)

WHY STUDY AT AcSIR?

The objective of AcSIR is pursuit of excellence as well as doing something relevant. We promote the culture of being singularly dynamic and innovative. The Academy was established by a Resolution of the Parliament in 2010 and received recognition as an "Institution of National Importance" by the Academy of Scientific and Innovative Research (AcSIR) Act 2011. The Academy aims to maximize the number of qualified researchers and professionals of impeccable quality in the domain of science and engineering; and to equip them with the skills to innovate and conduct seamless interdisciplinary research.

FACULTY

There are about **2500 faculty members at 51 AcSIR Academic Centers (38 national laboratories of** CSIR and 13 associate centers). In addition, Eminent Academy Professors, Distinguished Emeritus Professors and Adjunct Faculty members from reputed institutions and industry who contribute professionally to AcSIR.

ABOUT PROGRAMS

The programs equip students to undertake interdisciplinary research by providing a broad-based practical training in the best in the class national laboratories of CSIR. The Programs are structured around academic coursework (as per program requirement) and mandatory courses viz. one Project Proposal & one Review Article writing; and Societal Program; and research in frontier areas of Science, Technology and Engineering leading to Ph.D degree.

ELIGIBILITY CRITERIA FOR ADMISSION

Eligibility Criteria for PhD (Engineering) and Sponsored PhD (Engineering) :

   I.   A Master's degree in Engineering or Technology following a four-year engineering/technology or 4/5 year science degree; or an integrated minimum-5-year M Tech degree; or equivalent.
        AND
   II. At least one of the following
        a. Awarded a national-level fellowship (such as NET JRF) tenable at CSIR institutes
        b. Meeting all the conditions required for eligibility for the CSIR-SRF
        c. Meeting all the conditions for award of the INSPIRE fellowship (typically awarded to students ranked first in the University)
        d. Meeting all the conditions stipulated by AcSIR for Project Assistants to register for a PhD
        o. Meeting all the conditions stipulated by AcSIR for industry-sponsored* students.

Project Assistants, Senior Research Fellows, Group-IV Scientists and Group-III Technical Staff of CSIR are also eligible to apply (as per relevant AcSIR rules)

--Applicants qualifying their degree in percentage shall use the formula, CGPA=(Percentage + 5) /10. Applicants with percentage ≥ 95%, shall fill 10 CGPA in the Online Application Form.

Candidates whose final results are awaited, but who are otherwise eligible as per the screening criteria, can also apply. If selected, they will be provisionally admitted to the program. Their continuation in the program will be subject to securing required percentage/ equivalent grade (depending on the cut-off marks for screening for the specific program) and submission of marks-sheet of their final result at the time of joining the program.

ADMISSION PROCESS

The candidates can exercise a maximum of three preferences for CSIR Labs (which are AcSIR centers). Candidates will be screened based on their preferences given. However, it does not give any right to the candidate to offered admission as per his/her preference/ choice, as the selection is purely based on merit/

performance and/ or available vacancies. Please visit AcSIR website **(http://acsir.res.in)** for details of on-line application form submission and additional details.

Short-listed candidates for the program will be intimated electronically and they will be required to appear for interview for selection at the designated centers on the dates announced. Details of date of interview at different laboratories/ centers will be posted on the AcSIR website **(http://acsir.res.in)**.

In addition to their academic performance and/ or depending on the vacancies, final selection will be based on performance of the candidate in the interview.

Reservation shall be applicable as per GoI rules.

ACADEMIC REQUIREMENTS FOR PROGRAM COMPLETION

Please **click here** or enter URL(*https://acsir.res.in/wp-content/uploads/2021/04/AcSIR-Handbook-April-13-2021.pdf*) to access the academic requirements for program completion

PROGRAM FEE STRUCTURE

To get complete details about the fee structure please **click here** or enter URL (*http://acsir.emli.in/ACSIRAdmissionPortal/online-admission/portal/acsir-online-adm-portal/StaticPageView.php?id=1*)

EVALUATION PROCEDURE AND GRADING SCHEME

Letter grades will be awarded for each course reflecting the student's proficiency and instructor's expectation. The grades and their description along with their equivalent numerical values, where applicable, are as follows:

Letter Grade	Performance	Numerical Value
A+	Outstanding	10
A	Excellent	9
B+	Very Good	8
B	Good	7
C+	Fair	6
C	Poor	4
F	Very Poor	2
I	Incomplete*	0
S	Satisfactory (for Audit Courses, Level-4 PhD Courses and Thesis)	
X	Unsatisfactory (for Audit Courses, Level-4 PhD Courses and Thesis)	

* "I" grade shall be given to students who have (i) Not Attended Classes; and/or (ii) Not been evaluated. This implies repeating the full course.

Performance of the student will be evaluated by two indices, Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA). These will be calculated as follows:

➢ **SGPA**={Sum of (Course credit X Numerical value of course grade)} / Total course credits earned in the semester

➢ **CGPA** = Cumulative points scored in all passed courses / Cumulative credits earned

Minimum grade point to be earned to pass any subject is 6.0.

A student needs CGPA ≥ 6.50 to pass the coursework.

AcSIR Campuses & Intake

- Please **click here** or enter URL (**http://acsir.emli.in/ACSIRAdmissionPortal/online-admission/portal/acsir-online-adm-portal/center.php**) to see the complete list of AcSIR campus

- *For seats availability, please visit admission portal of AcSIR:*
  http://acsir.emli.in/ACSIRAdmissionPortal/online-admission/portal/acsir-online-adm-portal/LabWise_Intake.php

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USEFUL LINKS FOR FURTHER INFORMATION
Online applications and further information about studying at AcSIR

Ph.D (Engineering)
Visit us: http://acsir.res.in

AcSIR

Academy of Scientific and Innovative Research
Headquarters: AcSIR, CSIR-Human Resource Development Centre (CSIR-HRDC) Campus, Sector-19, Kamla Nehru Nagar, Ghaziabad – 201 002 | India
Tel: +91-120-2783 009 (LL)
     +91-9266600847, 9266600947 (Mob/ WhatsApp)
Email: admissions@acsir.res.in

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